

SUBSTITUTE FORM PTO-1449
 (MODIFIED)

 U.S. DEPARTMENT OF COMMERCE
 PATENT AND TRADEMARK OFFICE

Attorney Docket No.

01997/548003

Serial No.

10/661,398

Applicant

Horvitz et al.

Filing Date

September 12, 2003

Group

~~4009~~ 1636

IDS Filed

November 5, 2007

 INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT
 (Use several sheets if necessary)

(37 C.F.R. § 1.98(b))

U.S. PATENT DOCUMENTS

| Examiner's Initials | Document Number | Issue or Publication Date | Patentee or Applicant | Class | Subclass | Filing Date (If Appropriate) |
|---------------------|-----------------|---------------------------|-----------------------|-------|----------|------------------------------|
| /C.H./ | 5,034,506 | Jul. 23, 1991 | Summerton et al. | | | |
| /C.H./ | 5,837,832 | Nov. 17, 1998 | Chee et al. | | | |
| /C.H./ | 6,410,243 | Jun. 25, 2002 | Wyrick et al. | | | |
| /C.H./ | 6,436,665 | Aug. 20, 2002 | Kuimelis | | | |
| /C.H./ | 6,503,717 | Jan. 7, 2003 | Case et al. | | | |
| /C.H./ | 6,610,489 | Aug. 26, 2003 | Wolffe et al. | | | |
| /C.H./ | 2002/0137906 | Sep. 26, 2002 | Horvitz et al. | | | |
| /C.H./ | 2002/0064523 | May 30, 2002 | Horvitz et al. | | | |

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

| Examiner's Initials | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation (Yes/No) |
|---------------------|-----------------|------------------|--------------------------|-------|----------|----------------------|
| /C.H./ | WO 04/024084 | Mar. 25, 2004 | W.I.P.O. | | | |
| /C.H./ | WO 98/54299 | Dec. 3, 1998 | W.I.P.O. | | | |
| /C.H./ | WO 95/25116 | Sept. 21, 1995 | W.I.P.O. | | | |

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)

| | |
|--------|--|
| /C.H./ | Allard et al., "NuA4, An Essential Transcription Adaptor/Histone H4 Acetyltransferase Complex Containing Esa1p and the ATM-Related Cofactor Tra1p," <i>EMBO J.</i> 18(18):5108-5119, 1999. |
| /C.H./ | Anderson, P., "Mutagenesis," <i>Meth. Cell Biol.</i> 48:31-58, 1995. |
| /C.H./ | Austin and Kimble, "Transcript Analysis of Glp-1 and Lin-12, Homologous Genes Required for Cell Interactions During Development of <i>C. Elegans</i> ," <i>Cell</i> 58(3):565-571, 1989. |
| /C.H./ | Beitel et al., "The <i>C. Elegans</i> Gene <i>Lin-9</i> , Which Acts in an Rb-Related Pathway, Is Required for Gonadal Sheath Cell Development and Encodes a Novel Protein," <i>Gene</i> 254(1-2):253-263, 2000. |
| /C.H./ | Beitel et al., " <i>Caenorhabditis Elegans</i> Ras Gene <i>Let-60</i> Acts As a Switch in the Pathway of Vulval Induction," <i>Nature</i> 348:503-509, 1990. |
| /C.H./ | Belfiore et al., "The MEP-1 Zinc-Finger Protein Acts With MOG DEAH Box Proteins to Control Gene Expression Via the <i>Fem-3</i> 3' Untranslated Region in <i>Caenorhabditis Elegans</i> ," <i>RNA</i> 8:725-739, 2002. |
| /C.H./ | Benton and Davis, "Screening λ gt Recombinant Clones by Hybridization to Single Plaques In Situ," <i>Science</i> 196(4286):180-182, 1977. |

EXAMINER /Catherine Hibbert/

DATE CONSIDERED

01/08/2008

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.

| | | | | | | |
|--|---|---|--------------------------|-----------------|------------|---------------------------------|
| SUBSTITUTE FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 C.F.R. § 1.98(b)) | | Attorney Docket No. 01997/548003 Serial No. 10/661,398 Applicant Horvitz et al. Filing Date September 12, 2003 Group 1609 IDS Filed November 5, 2007 | | | | |
| U.S. PATENT DOCUMENTS | | | | | | |
| Examiner's Initials | Document Number | Issue or Publication Date | Patentee or Applicant | Class | Subclass | Filing Date (If Appropriate) |
| | | | | | | |
| FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS | | | | | | |
| Examiner's Initials | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation (Yes/No) |
| | | | | | | |
| OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION) | | | | | | |
| /C.H./ | Boxem and van den Heuvel, "C. <i>Elegans</i> Class B Synthetic Multivulva Genes Act in G ₁ Regulation," <i>Curr. Biol.</i> 12(11):906-911, 2002. | | | | | |
| /C.H./ | Brehm et al., "Retinoblastoma Protein Recruits Histone Deacetylase to Repress Transcription," <i>Nature</i> 391:597-601, 1998. | | | | | |
| /C.H./ | Brenner, S., "The Genetics of <i>Caenorhabditis Elegans</i> ," <i>Genetics</i> 77:71-94, 1974. | | | | | |
| /C.H./ | Brown et al., "The Many HATs of Transcription Coactivators," <i>Trends Biochem. Sci.</i> 25(1):15-19, 2000. | | | | | |
| /C.H./ | Brown et al., "Recruitment of HAT Complexes by Direct Activator Interactions with the ATM-Related Tra1 Subunit," <i>Science</i> 292(5525):2333-2337, 2001. | | | | | |
| /C.H./ | Capowski et al., "Identification of Grandchildless Loci Whose Products Are Required for Normal Germ-Line Development in the Nematode <i>Caenorhabditis Elegans</i> ," <i>Genetics</i> 129:1061-1072, 1991. | | | | | |
| /C.H./ | Ceol and Horvitz, "Dpl-1 DP and Efl-1 E2F Act with Lin-35 Rb to Antagonize Ras Signaling in <i>C. Elegans</i> Vulval Development," <i>Mol. Cell</i> 7(3):461-473, 2001. | | | | | |
| /C.H./ | Clark and Baillie, "Genetic Analysis and Complementation by Germ-Line Transformation of Lethal Mutations in the Unc-22 IV Region of <i>Caenorhabditis Elegans</i> ," <i>Mol. Gen. Genet.</i> 232(1):97-105, 1992. | | | | | |
| /C.H./ | Clarke et al., "Esa1p Is an Essential Histone Acetyltransferase Required for Cell Cycle Progression," <i>Mol. Cell. Biol.</i> 19(4):2515-2526, 1999. | | | | | |
| /C.H./ | Conradt and Horvitz, "The TRA-1A Sex Determination Protein of <i>C. Elegans</i> Regulates Sexually Dimorphic Cell Deaths by Repressing the Egl-1 Cell Death Activator Gene," <i>Cell</i> 98(3):317-327, 1999. | | | | | |
| /C.H./ | Couteau et al., "A Heterochromatin Protein 1 Homologue in <i>Caenorhabditis Elegans</i> Acts in Germline and Vulval Development," <i>EMBO Rep.</i> 3(3):235-241, 2002. | | | | | |
| /C.H./ | Dibb et al., "Sequence Analysis of Mutations that Affect the Synthesis, Assembly and Enzymatic Activity of the Unc-54 Myosin Heavy Chain of <i>Caenorhabditis Elegans</i> ," <i>J. Mol. Biol.</i> 183(4):543-551, 1985. | | | | | |
| /C.H./ | Dyson, N., "The Regulation of E2F by pRB-Family Proteins," <i>Genes Dev.</i> 12:2245-2262, 1998. | | | | | |
| EXAMINER | /Catherine Hibbert/ | | | DATE CONSIDERED | 01/08/2008 | |
| EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant. | | | | | | |

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|---|--|--|--------------------------|---|----------|--|--|
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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | | | | | | | |
| (37 C.F.R. § 1.98(b)) | | | | | | | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| Examiner's Initials | Document Number | Issue or Publication Date | Patentee or Applicant | Class | Subclass | Filing Date (If Appropriate) | |
| | | | | | | | |
| FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS | | | | | | | |
| Examiner's Initials | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation (Yes/No) | |
| | | | | | | | |
| OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION) | | | | | | | |
| /C.H./ | Edgley and Riddle, "LG II Balancer Chromosomes in <i>Caenorhabditis Elegans</i> : <i>mT1(II;III)</i> and the <i>mln1</i> Set of Dominantly and Recessively Marked Inversions," <i>Mol. Genet. Genomics</i> 266(3):385-395, 2001. | | | | | | |
| /C.H./ | Ehrenhofer-Murray et al., "The Role of Sas2, an Acetyltransferase Homologue of <i>Saccharomyces Cerevisiae</i> , in Silencing and ORC Function," <i>Genetics</i> 145:923-934, 1997. | | | | | | |
| /C.H./ | Eisen et al., "The Yeast NuA4 and <i>Drosophila</i> MSL Complexes Contain Homologous Subunits Important for Transcription Regulation," <i>J. Biol. Chem.</i> 276(5):3484-3491, 2001. | | | | | | |
| /C.H./ | Elbashir et al., "Duplexes of 21-Nucleotide RNAs Mediate RNA Interference in Cultured Mammalian Cells," <i>Nature</i> 411(6836):494-498, 2001. | | | | | | |
| /C.H./ | Fay et al., " <i>Fzr-1</i> and <i>Lin-35/Rb</i> Function Redundantly to Control Cell Proliferation in <i>C. Elegans</i> as Revealed by a Nonbiased Synthetic Screen," <i>Genes Dev.</i> 16:503-517, 2002. | | | | | | |
| /C.H./ | Fay and Han, "The Synthetic Multivulval Genes of <i>C. Elegans</i> : Functional Redundancy, Ras-Antagonism, and Cell Fate Determination," <i>Genesis</i> 26(4):279-284, 2000. | | | | | | |
| /C.H./ | Ferguson et al., "A Genetic Pathway for the Specification of the Vulval Cell Lineages of <i>Caenorhabditis Elegans</i> ," <i>Nature</i> 326:259-267, 1987. | | | | | | |
| /C.H./ | Ferguson and Horvitz, "The Multivulva Phenotype of Certain <i>Caenorhabditis Elegans</i> Mutants Results From Defects in Two Functionally Redundant Pathways," <i>Genetics</i> 123:109-121, 1989. | | | | | | |
| /C.H./ | Ferguson and Horvitz, "Identification and Characterization of 22 Genes That Affect the Vulval Cell Lineages of the Nematode <i>Caenorhabditis Elegans</i> ," <i>Genetics</i> 110:17-72, 1985. | | | | | | |
| /C.H./ | Fire et al., "Potent and Specific Genetic Interference by Double-Stranded RNA in <i>Caenorhabditis Elegans</i> ," <i>Nature</i> 391(6669):806-811, 1998. | | | | | | |
| /C.H./ | Fong et al., "Regulation of the Different Chromatin States of Autosomes and X Chromosomes in the Germ Line of <i>C. Elegans</i> ," <i>Science</i> 296(5576):2235-2238, 2002. | | | | | | |
| /C.H./ | Frank et al., "MYC Recruits the TIP60 Histone Acetyltransferase Complex to Chromatin," <i>EMBO Rep.</i> 4(6):575-580, 2003. | | | | | | |
| | | | | | | | |
| EXAMINER /Catherine Hibbert/ | | | | DATE CONSIDERED 01/08/2008 | | | |
| EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant. | | | | | | | |

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| U.S. PATENT DOCUMENTS | | | | | |
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| | | | | | |
| FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS | | | | | |
| Examiner's Initials | Document Number | Publication Date | Country or Patent Office | Class | Translation (Yes/No) |
| | | | | | |
| OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION) | | | | | |
| /C.H./ | Fraser et al., "Functional Genomic Analysis of <i>C. Elegans</i> Chromosome I by Systematic RNA Interference," <i>Nature</i> 408(6810):325-330, 2000. | | | | |
| /C.H./ | Fuchs et al., "The p400 Complex Is an Essential E1A Transformation Target," <i>Cell</i> 106(3):297-307, 2001. | | | | |
| /C.H./ | Gavin et al., "Functional Organization of the Yeast Proteome by Systematic Analysis of Protein Complexes," <i>Nature</i> 415(6868):141-147, 2002. | | | | |
| /C.H./ | Ge, H., "UPA, a Universal Protein Array System for Quantitative Detection of Protein-Protein, Protein-DNA, Protein-RNA and Protein-Ligand Interactions," <i>Nucleic Acids Res.</i> 28(2):e31-e3vii, 2000. | | | | |
| /C.H./ | Grunstein and Hogness, "Colony Hybridization: A Method for the Isolation of Cloned DNAs That Contain a Specific Gene," <i>Proc. Nat. Acad. Sci. U.S.A.</i> 72(10):3961-3965, 1975. | | | | |
| /C.H./ | Hajnal et al., "Inhibition of <i>Caenorhabditis Elegans</i> Vulval Induction by <i>Gap-1</i> and by <i>Let-23</i> Receptor Tyrosine Kinase," <i>Genes Dev.</i> 11:2715-2728, 1997. | | | | |
| /C.H./ | Heller et al., "Discovery and Analysis of Inflammatory Disease-Related Genes Using cDNA Microarrays," <i>Proc. Natl. Acad. Sci. U.S.A.</i> 94:2150-2155, 1997. | | | | |
| /C.H./ | Herman, M.A., " <i>C. Elegans</i> POP-1/TCF Functions in a Canonical Wnt Pathway That Controls Cell Migration and in a Noncanonical Wnt Pathway That Controls Cell Polarity," <i>Development</i> 128:581-590, 2001. | | | | |
| /C.H./ | Herman, R.K., "Crossover Suppressors and Balanced Recessive Lethals in <i>Caenorhabditis Elegans</i> ," <i>Genetics</i> 88:49-65, 1978. | | | | |
| /C.H./ | Hengartner et al., " <i>Caenorhabditis Elegans</i> Gene <i>Ced-9</i> Protects Cells From Programmed Cell Death," <i>Nature</i> 356:494-499, 1992. | | | | |
| /C.H./ | Hill and Sternberg, "The Gene <i>Lin-3</i> Encodes an Inductive Signal for Vulval Development in <i>C. elegans</i> ," <i>Nature</i> 358(6386):470-476, 1992. | | | | |
| /C.H./ | Ho et al., "Systematic Identification of Protein Complexes in <i>Saccharomyces Cerevisiae</i> by Mass Spectrometry," <i>Nature</i> 415(6868):180-183, 2002. | | | | |
| EXAMINER | /Catherine Hibbert/ | | | DATE CONSIDERED | 01/08/2008 |
| EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant. | | | | | |

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|---|--|---|--------------------------|----------------------------|----------|------------------------------|
| SUBSTITUTE FORM PTO-1449 (MODIFIED) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 C.F.R. § 1.98(b)) | | Attorney Docket No. 01997/548003 Serial No. 10/661,398 Applicant Horvitz et al. Filing Date September 12, 2003 Group 1609 IDS Filed November 5, 2007 | | | | |
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| Examiner's Initials | Document Number | Issue or Publication Date | Patentee or Applicant | Class | Subclass | Filing Date (If Appropriate) |
| | | | | | | |
| FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS | | | | | | |
| Examiner's Initials | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation (Yes/No) |
| | | | | | | |
| OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION) | | | | | | |
| /C.H./ | Holdeman et al., "MES-2, a Maternal Protein Essential for Viability of the Germline in <i>Caenorhabditis Elegans</i> , Is Homologous to a <i>Drosophila</i> Polycomb Group Protein," <i>Development</i> 125:2457-2467, 1998. | | | | | |
| /C.H./ | Hopper et al., "ARK-1 Inhibits EGFR Signaling in <i>C. Elegans</i> ," <i>Mol. Cell</i> 6(1):65-75, 2000. | | | | | |
| /C.H./ | Hsieh et al., "The RING Finger/B-Box Factor TAM-1 and a Retinoblastoma-Like Protein LIN-35 Modulate Context-Dependent Gene Silencing in <i>Caenorhabditis Elegans</i> ," <i>Genes Dev.</i> 13:2958-2970, 1999. | | | | | |
| /C.H./ | Hunter, T., "When Is A Lipid Kinase Not A Lipid Kinase? When It Is A Protein Kinase," <i>Cell</i> 83(1):1-4, 1995. | | | | | |
| /C.H./ | Jansen et al., "Reverse Genetics by Chemical Mutagenesis in <i>Caenorhabditis Elegans</i> ," <i>Nature Genet.</i> 17(1):119-121, 1997. | | | | | |
| /C.H./ | Johnson et al., "Identification of a Non-Basic Domain in the Histone H4 N-Terminus Required for Repression of the Yeast Silent Mating Loci," <i>EMBO J.</i> 11(6):2201-2209, 1992. | | | | | |
| /C.H./ | Jongeward et al., "Sli-1, A Negative Regulator of Let-23-Mediated Signaling in <i>C. Elegans</i> ," <i>Genetics</i> 139:1553-1566, 1995. | | | | | |
| /C.H./ | Kimmel, A.R., "Identification and Characterization of Specific Clones: Strategy for Confirming the Validity of Presumptive Clones," <i>Meth. Enzymol.</i> 152:507-511, 1987. | | | | | |
| /C.H./ | Kitzmann and Fernandez, "Crosstalk Between Cell Cycle Regulators and the Myogenic Factor MyoD in Skeletal Myoblasts," <i>Cell. Mol. Life Sci.</i> 58:571-579, 2001. | | | | | |
| /C.H./ | Korf et al., "The Polycomb Group in <i>Caenorhabditis Elegans</i> and Maternal Control of Germline Development," <i>Development</i> 125:2469-2478, 1998. | | | | | |
| /C.H./ | Lang et al., "E2F Transcriptional Activation Requires TRRAP and GCN5 Cofactors," <i>J. Biol. Chem.</i> 276(35):32627-32634, 2001. | | | | | |
| /C.H./ | Levkowitz et al., "Ubiquitin Ligase Activity and Tyrosine Phosphorylation Underlie Suppression of Growth Factor Signaling by c-Cbl/Sli-1," <i>Mol. Cell</i> 4(6):1029-1040, 1999. | | | | | |
| /C.H./ | Lockhart et al., "Expression Monitoring by Hybridization to High-Density Oligonucleotide Arrays," <i>Nature Biotechnol.</i> 14(13):1675-1680, 1996. | | | | | |
| EXAMINER | /Catherine Hibbert/ | | | DATE CONSIDERED 01/08/2008 | | |
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| FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS | | | | | | | |
| Examiner's Initials | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation (Yes/No) | |
| | | | | | | | |
| OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION) | | | | | | | |
| /C.H./ | Loewith et al., "Three Yeast Proteins Related to the Human Candidate Tumor Suppressor p33 ^{ING1} Are Associated with Histone Acetyltransferase Activities," <i>Mol. Cell. Biol.</i> 20(11):3807-3816, 2000. | | | | | | |
| /C.H./ | Lu and Horvitz, " <i>Lin-35</i> and <i>Lin-53</i> , Two Genes That Antagonize a <i>C. Elegans</i> Ras Pathway, Encode Proteins Similar to Rb and Its Binding Protein RbAp48," <i>Cell</i> 95(7):981-991, 1998. | | | | | | |
| /C.H./ | Luo et al., "Rb Interacts with Histone Deacetylase to Repress Transcription," <i>Cell</i> 92(4):463-473, 1998. | | | | | | |
| /C.H./ | MacBeath and Schreiber, "Printing Proteins as Microarrays for High-Throughput Function Determination," <i>Science</i> 289(5485):1760-1763, 2000. | | | | | | |
| /C.H./ | Magnaghi-Jaulin et al., "Retinoblastoma Protein Represses Transcription by Recruiting a Histone Deacetylase," <i>Nature</i> 391:601-605, 1998. | | | | | | |
| /C.H./ | McMahon et al., "The Novel ATM-Related Protein TRRAP Is An Essential Cofactor of the c-Myc and E2F Oncoproteins," <i>Cell</i> 94(3):363-374, 1998. | | | | | | |
| /C.H./ | Meijsing and Ehrenhofer-Murray, "The Silencing Complex SAS-I Links Histone Acetylation to the Assembly of Repressed Chromatin by CAF-I and Asf1 in <i>Saccharomyces cerevisiae</i> ," <i>Genes Devel.</i> 15:3169-3182, 2001. | | | | | | |
| /C.H./ | Meléndez and Greenwald, " <i>Caenorhabditis Elegans</i> <i>Lin-13</i> , a Member of the LIN-35 Rb Class of Genes Involved in Vulval Development, Encodes a Protein with Zinc Fingers and an LXCXE Motif," <i>Genetics</i> 155:1127-1137, 2000. | | | | | | |
| /C.H./ | Mello et al., "Efficient Gene Transfer in <i>C. Elegans</i> : Extrachromosomal Maintenance and Integration of Transforming Sequences," <i>EMBO J.</i> 10(12):3959-3970, 1991. | | | | | | |
| /C.H./ | Mitnacht et al., "Ras Signalling Is Required for Inactivation of the Tumour Suppressor pRb Cell-Cycle Control Protein," <i>Curr. Biol.</i> 7(3):219-221, 1997. | | | | | | |
| /C.H./ | Nielsen et al., "Sequence-Selective Recognition of DNA by Strand Displacement With a Thymine-Substituted Polyamide," <i>Science</i> 254(5037):1497-1500, 1991. | | | | | | |
| /C.H./ | Nourani et al., "Role of an ING1 Growth Regulator in Transcriptional Activation and Targeted Histone Acetylation by the NuA4 Complex," <i>Mol. Cell. Biol.</i> 21(22):7629-7640, 2001. | | | | | | |
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| FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS | | | | | | | |
| Examiner's Initials | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation (Yes/No) | |
| | | | | | | | |
| OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION) | | | | | | | |
| /C.H./ | Osada et al., "The Yeast SAS (Something About Silencing) Protein Complex Contains a MYST-Type Putative Acetyltransferase and Functions With Chromatin Assembly Factor ASF1," <i>Genes Devel.</i> 15:3155-3168, 2001. | | | | | | |
| /C.H./ | Page et al., "The <i>C. Elegans</i> E2F- and DP-Related Proteins Are Required for Embryonic Asymmetry and Negatively Regulate Ras/MAPK Signaling," <i>Mol. Cell</i> 7(3):451-460, 2001. | | | | | | |
| /C.H./ | Peeper et al., "Ras Signalling Linked to the Cell-Cycle Machinery by the Retinoblastoma Protein," <i>Nature</i> 386(6621):177-181, 1997. | | | | | | |
| /C.H./ | Reid et al., "Coordinate Regulation of Yeast Ribosomal Protein Genes Is Associated with Targeted Recruitment of Esa1 Histone Acetylase," <i>Mol. Cell</i> 6(6):1297-1307, 2000. | | | | | | |
| /C.H./ | Reifsnyder et al., "Yeast SAS Silencing Genes and Human Genes Associated with AML and HIV-1 Tat Interactions Are Homologous with Acetyltransferase," <i>Nature Genet.</i> 14(1):42-49, 1996. | | | | | | |
| /C.H./ | Rogalski et al., "Essential Genes and Deficiencies in the <i>UNC-22 IV</i> Region of <i>Caenorhabditis Elegans</i> ," <i>Genetics</i> 102:725-736, 1982. | | | | | | |
| /C.H./ | Romagnolo et al., "Downstream Targets of <i>Let-60</i> Ras in <i>Caenorhabditis Elegans</i> ," <i>Devel. Biol.</i> 247(1):127-136, 2002. | | | | | | |
| /C.H./ | Rosenbluth and Baillie, "The Genetic Analysis of a Reciprocal Translocation, <i>eT1(III;V)</i> , in <i>Caenorhabditis Elegans</i> ," <i>Genetics</i> 99:415-428, 1981. | | | | | | |
| /C.H./ | Roth et al., "Histone Acetyltransferases," <i>Ann. Rev. Biochem.</i> 70:81-120, 2001. | | | | | | |
| /C.H./ | Saleh et al., "Tra1p Is a Component of the Yeast Ada-Spt Transcriptional Regulatory Complexes," <i>J. Biol. Chem.</i> 273(41):26559-26565, 1998. | | | | | | |
| /C.H./ | Sato et al., "Homoeosis in <i>Drosophila</i> : a New Enhancer of Polycomb and Related Homoeotic Mutations," <i>Genetics</i> 105:357-370, 1983. | | | | | | |
| /C.H./ | Skena et al., "Parallel Human Genome Analysis: Microarray-Based Expression Monitoring of 1000 Genes," <i>Proc. Natl. Acad. Sci. U.S.A.</i> 93:10614-10619, 1996. | | | | | | |
| /C.H./ | Sigurdson et al., " <i>Caenorhabditis Elegans</i> Deficiency Mapping," <i>Genetics</i> 108:331-345, 1984. | | | | | | |
| EXAMINER /Catherine Hibbert/ | | | DATE CONSIDERED 01/08/2008 | | | | |
| EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant. | | | | | | | |

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| SUBSTITUTE FORM PTO-1449 (MODIFIED) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | Attorney Docket No. Serial No. Applicant Filing Date Group IDS Filed | | 01997/548003 10/661,398 Horvitz et al. September 12, 2003 1609 November 5, 2007 | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | | | | | | | |
| (37 C.F.R. § 1.98(b)) | | | | | | | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| Examiner's Initials | Document Number | Issue or Publication Date | Patentee or Applicant | Class | Subclass | Filing Date (If Appropriate) | |
| | | | | | | | |
| FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS | | | | | | | |
| Examiner's Initials | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation (Yes/No) | |
| | | | | | | | |
| OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION) | | | | | | | |
| /C.H./ | Sinclair et al., "Enhancer of Polycomb Is a Suppressor of Position-Effect Variegation in <i>Drosophila Melanogaster</i> ," <i>Genetics</i> 148:211-220, 1998. | | | | | | |
| /C.H./ | Smith et al., "ESA1 Is A Histone Acetyltransferase That Is Essential for Growth in Yeast," <i>Proc. Natl. Acad. Sci. U.S.A.</i> 95:3561-3565, 1998. | | | | | | |
| /C.H./ | Solari and Ahringer, "NURD-Complex Genes Antagonise Ras-Induced Vulval Development in <i>Caenorhabditis Elegans</i> ," <i>Curr. Biol.</i> 10(4):223-226, 2000. | | | | | | |
| /C.H./ | Sternberg and Horvitz, "Pattern Formation During Vulval Development in <i>C. Elegans</i> ," <i>Cell</i> 44(5):761-772, 1986. | | | | | | |
| /C.H./ | Sternberg and Han, "Genetics of RAS Signaling in <i>C. Elegans</i> ," <i>Trends Genet.</i> 14(11):466-472, 1998. | | | | | | |
| /C.H./ | Suka et al., "Highly Specific Antibodies Determine Histone Acetylation Site Usage in Yeast Heterochromatin and Euchromatin," <i>Mol. Cell</i> 8(2):473-479, 2001. | | | | | | |
| /C.H./ | Sulston and Horvitz, "Post-Embryonic Cell Lineages of the Nematode, <i>Caenorhabditis Elegans</i> ," <i>Dev. Biol.</i> 56(1):110-156, 1977. | | | | | | |
| /C.H./ | Tabara et al., "The <i>Rde-1</i> Gene, RNA Interference, and Transposon Silencing in <i>C. Elegans</i> ," <i>Cell</i> 99(2):123-132, 1999. | | | | | | |
| /C.H./ | Thomas and Horvitz, "The <i>C. Elegans</i> Gene <i>Lin-36</i> Acts Cell Autonomously in the <i>Lin-35 Rb</i> Pathway," <i>Development</i> 126:3449-3459, 1999. | | | | | | |
| /C.H./ | Trimarchi and Lees, "Sibling Rivalry in the E2F Family," <i>Nature Rev. Mol. Cell Biol.</i> 3:11-20, 2002. | | | | | | |
| /C.H./ | Turner et al., "Histone H4 Isoforms Acetylated at Specific Lysine Residues Define Individual Chromosomes and Chromatin Domains in <i>Drosophila</i> Polytene Nuclei," <i>Cell</i> 69(2):375-384, 1992. | | | | | | |
| /C.H./ | Von Zelewsky et al., "The <i>C. Elegans</i> Mi-2 Chromatin-Remodelling Proteins Function in Vulval Cell Fate Determination," <i>Development</i> 127:5277-5284, 2000. | | | | | | |
| /C.H./ | Wahl et al., "Molecular Hybridization of Immobilized Nucleic Acids: Theoretical Concepts and Practical Considerations," <i>Meth. Enzymol.</i> 152:399-407, 1987. | | | | | | |
| EXAMINER /Catherine Hibbert/ | | | | DATE CONSIDERED 01/08/2008 | | | |
| EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant. | | | | | | | |

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| (37 C.F.R. § 1.98(b)) | | | | | | | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| Examiner's Initials | Document Number | Issue or Publication Date | Patentee or Applicant | Class | Subclass | Filing Date (If Appropriate) | |
| | | | | | | | |
| FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS | | | | | | | |
| Examiner's Initials | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation (Yes/No) | |
| | | | | | | | |
| OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION) | | | | | | | |
| /C.H./ | Whyte et al., "Association Between an Oncogene and an Anti-Oncogene: The Adenovirus E1A Proteins Bind to the Retinoblastoma Gene Product," <i>Nature</i> 334(6178):124-129, 1988. | | | | | | |
| /C.H./ | Williams et al., "A Genetic Mapping System in <i>Caenorhabditis Elegans</i> Based on Polymorphic Sequence-Tagged Sites," <i>Genetics</i> 131:609-624, 1992. | | | | | | |
| /C.H./ | Yoon et al., "Similarity of <i>Sli-1</i> , A Regulator of Vulval Development in <i>C. Elegans</i> to the Mammalian Proto-Oncogene <i>C-Cbl</i> ," <i>Science</i> 269(5227):1102-1105, 1995. | | | | | | |
| /C.H./ | Zhu et al., "Analysis of Yeast Protein Kinases Using Protein Chips," <i>Nature Gen.</i> 26(3):283-289, 2000. | | | | | | |
| /C.H./ | Zorio et al., "Operons As A Common Form of Chromosomal Organization in <i>C. Elegans</i> ," <i>Nature</i> 372:270-272, 2002. | | | | | | |
| /C.H./ | International Search Report for PCT/US03/28626 dated February 5, 2004. | | | | | | |
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